

ENTERED

1600

RAW SEQUENCE LISTING

4 <110> APPLICANT: Hartmann, Gunther

PATENT APPLICATION: US/09/672,126B

DATE: 06/10/2003 P.6 TIME: 08:53:27

Input Set : C:\seqlist.txt

Output Set: N:\CRF4\06102003\I672126B.raw

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Bratzler, Robert L.
              Krieg, Arthur
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             Nucleic Acid-Induced Interferon
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     15 <140> CURRENT APPLICATION NUMBER: 09/672,126B
     17 <141> CURRENT FILING DATE: 2000-09-27
     19 <150> PRIOR APPLICATION NUMBER: 60/156,147
     20 <151> PRIOR FILING DATE: 1999-09-29
     22 <160> NUMBER OF SEQ ID NOS: 169
     24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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     27 <211> LENGTH: 20
     28 <212> TYPE: DNA
     29 <213> ORGANISM: Artificial Sequence
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     36 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages.
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     40 <223> OTHER INFORMATION: Backbone has phosphodiester linkages.
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DATE: 06/10/2003

PATENT APPLICATION: US/09/672,126B TIME: 08:53:27 Input Set : C:\seqlist.txt Output Set: N:\CRF4\06102003\I672126B.raw 68 <210> SEQ ID NO: 3 69 <211> LENGTH: 20 70 <212> TYPE: DNA 71 <213> ORGANISM: Artificial Sequence 73 <220> FEATURE: 74 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 76 <221> NAME/KEY: misc feature 77 <222> LOCATION: (1)...(20) 78 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 80 <400> 3 20 81 ggggtcgtcg ttttgggggg 83 <210> SEQ ID NO: 4 84 <211> LENGTH: 24 85 <212> TYPE: DNA 86 <213> ORGANISM: Artificial Sequence 88 <220> FEATURE: 89 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 91 <221> NAME/KEY: misc feature 92 <222> LOCATION: (1)...(24) 93 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 95 <400> 4 24 96 tcgtcgtttt gtcgttttgg gggg 98 <210> SEQ ID NO: 5 99 <211> LENGTH: 20 100 <212> TYPE: DNA 101 <213> ORGANISM: Artificial Sequence 103 <220> FEATURE: 104 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 106 <221> NAME/KEY: misc feature 107 <222> LOCATION: (1)...(20) 108 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 110 <400> 5 20 111 ggggtcgacg tcgaggggg 113 <210> SEQ ID NO: 6 114 <211> LENGTH: 20 115 <212> TYPE: DNA 116 <213> ORGANISM: Artificial Sequence 118 <220> FEATURE: 119 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 121 <221> NAME/KEY: misc_feature 122 <222> LOCATION: (1)...(20) 123 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 125 <400> 6 126 ggggtcatcg atgaggggg 20 128 <210> SEQ ID NO: 7 129 <211> LENGTH: 20 130 <212> TYPE: DNA · 131 <213> ORGANISM: Artificial Sequence 133 <220> FEATURE:

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RAW SEQUENCE LISTING DATE: 06/10/2003 PATENT APPLICATION: US/09/672,126B TIME: 08:53:27 Input Set : C:\seqlist.txt Output Set: N:\CRF4\06102003\I672126B.raw 134 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 136 <221> NAME/KEY: misc_feature 137 <222> LOCATION: (1)...(2) 138 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 140 <221> misc feature 141 <222> LOCATION: (3)...(14) 142 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 144 <221> misc feature 145 <222> LOCATION: (15)...(19) 146 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 148 <221> misc feature 149 <222> LOCATION: (20)...(20) 150 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 152 <400> 7 153 gggggacgat cgtcgggggg 20 155 <210> SEQ ID NO: 8 156 <211> LENGTH: 20 157 <212> TYPE: DNA 158 <213> ORGANISM: Artificial Sequence 160 <220> FEATURE: 161 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 163 <221> NAME/KEY: misc feature 164 <222> LOCATION: (1)...(20) f65 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 167 <400> 8 20 168 gggggtcgta cgacggggg 170 <210> SEQ ID NO: 9 171 <211> LENGTH: 22 172 <212> TYPE: DNA 173 <213> ORGANISM: Artificial Sequence 175 <220> FEATURE: 176 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 178 <221> NAME/KEY: misc feature 179 <222> LOCATION: (1)...(2) 180 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 182 <221> misc feature 183 <222> LOCATION: (3) ... (16)184 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 186 <221> misc feature 187 <222> LOCATION: (17)...(21) 188 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 190 <221> misc feature 191 <222> LOCATION: (22)...(22) 192 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 194 <400> 9 22 . 195 gggggacgat atcgtcgggg gg

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RAW SEQUENCE LISTING PATENT APPLICATION: US/09/672,126B DATE: 06/10/2003 TIME: 08:53:27 Input Set : C:\seqlist.txt

- Output Set: N:\CRF4\06102003\I672126B.raw 200 <213> ORGANISM: Artificial Sequence 202 <220> FEATURE: 203 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 205 <221> NAME/KEY: misc feature 206 <222> LOCATION: (1)...(2) 207 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 209 <221> misc feature 210 <222> LOCATION: (3)...(16) 211 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 213 <221> misc feature 214 <222> LOCATION: (17)...(21)215 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 217 <221> misc feature 219 <222> LOCATION: (22)...(22) 220 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 222 <400> 10 223 gggggacgac gtcgtcgggg gg 22 225 <210> SEQ ID NO: 11 226 <211> LENGTH: 22 227 <212> TYPE: DNA 228 <213> ORGANISM: Artificial Sequence 230 <220> FEATURE: 231 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 233 <221> NAME/KEY: misc feature 234 <222> LOCATION: (1)...(2) 235 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 237 <221> misc feature 238 <222> LOCATION: (3)...(16) 239 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 241 <221> misc feature 242 <222> LOCATION: (17)...(21) 243 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 245 <221> misc feature 246 <222> LOCATION: (22)...(22) 247 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 249 <400> 11 250 gggggacgag ctcgtcgggg gg 252 <210> SEQ ID NO: 12 253 <211> LENGTH: 20 254 <212> TYPE: DNA 255 <213> ORGANISM: Artificial Sequence 257 <220> FEATURE: 258 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 260 <221> NAME/KEY: misc feature
- · 266 <223> OTHER INFORMATION: Backbone has phosphodiester linkages.

262 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages.

261 <222> LOCATION: (1)...(2)

265 <222> LOCATION: (3)...(14)

W--> 264 <221> misc_feature

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PATENT APPLICATION: US/09/672,126B Input Set : C:\seqlist.txt Output Set: N:\CRF4\06102003\I672126B.raw W--> 268 <221> misc feature 269 < 222 > LOCATION: (15)...(19)271 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 273 <221> misc feature 274 <222> LOCATION: (20)...(20) 275 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 277 <400> 12 20 278 gggggacgta cgtcgggggg 280 <210> SEQ ID NO: 13 281 <211> LENGTH: 20 282 <212> TYPE: DNA 283 <213> ORGANISM: Artificial Sequence 285 <220> FEATURE: 286 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 288 <221> NAME/KEY: misc feature 289 <222> LOCATION: (1)...(2) 290 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 292 <221> misc feature 293 <222> LOCATION: (3)...(15) 294 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 296 <221> misc feature 297 <222> LOCATION: (16)...(19) 298 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 300 <221> misc feature 301 < 222 > LOCATION: (20)...(20)302 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 304 <400> 13 20 305 gggggacgat cgttgggggg 307 <210> SEQ ID NO: 14 308 <211> LENGTH: 20 309 <212> TYPE: DNA 310 <213> ORGANISM: Artificial Sequence 312 <220> FEATURE: 313 <223> OTHER INFORMATION: Synthetic Oligonucleotide W--> 315 <221> NAME/KEY: misc feature 316 <222> LOCATION: (1)...(2) 317 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 319 <221> misc feature 320 <222> LOCATION: (3)...(15) 321 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 323 <221> misc feature 324 < 222 > LOCATION: (16)...(19)325 <223> OTHER INFORMATION: Backbone has phosphorothioate linkages. W--> 327 <221> misc feature 328 <222> LOCATION: (20)...(20) 329 <223> OTHER INFORMATION: Backbone has phosphodiester linkages. W--> 331 <400> 14 20 332 ggggaacgat cgtcgggggg 334 <210> SEQ ID NO: 15

RAW SEQUENCE LISTING

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/10/2003 PATENT APPLICATION: US/09/672,126B TIME: 08:53:28

Input Set : C:\seqlist.txt

Output Set: N:\CRF4\06102003\I672126B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:158; N Pos. 7,10
Seq#:168; N Pos. 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:169; N Pos. 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,27
Seq#:169; N Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/672,126B TIME: 08:53:28

DATE: 06/10/2003

Input Set : C:\seqlist.txt

Output Set: N:\CRF4\06102003\I672126B.raw

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 L:42 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
 L:46 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
 L:50 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
 L:61 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
 L:76 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:80 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
 L:91 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:95 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
 L:106 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:110 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
 L:121 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:125 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
 L:136 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
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 L:167 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
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 L:213 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10 L:217 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
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Input Set : C:\seqlist.txt

Output Set: N:\CRF4\06102003\I672126B.raw

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L:2328 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
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Input Set : C:\seqlist.txt

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